Work Similar to Gold King September 1, 2015

Site Name - Location	Completion Date/Active	Future Work	Type of Work	Situation (Documents)
Colorado				
Golf Tunnel – St. Elmo, CO	Demob 10/30/14 Concrete plug installed Aug 2014		Plug adit – 34 x 12 ft. plug installed along with a 6-in stainless steel pipe pressure relief valve. Discharges 60 to 165 gpm. The AMA statesthe potential exists for the natural creation of a dam from internal mine structure collapse and along with ice dams formed over the winter could back up contaminated water and result in a catastrophic blowout"	AMA 7/30/13 Polrep 10/29/14 EE/CA 6/13/12
Pennsylvania Mine – Montezuma, CO	2014- ongoing 1 st bulkhead in place	Dewatering Level F & C reclaim 634,000 ft³ waste piles Possible second bulkhead in 2015, possible construction of a passive water treatment system 2016.	Plug 2 adits – underground bulkheads, sequenced in phases over years, collapsed adit, water diverted, ACD discharged into treatment ponds Discharge from the adit reached during peak flow (Aug 3 and 8) 3,800 gpm.	AM 6/9/13 Polrep 8 (pvt) 7/11/15 TDD end dt 10/31/13 SOW 6/19/2013
Red & Bonita – Silverton, CO	Active - ongoing		Removed mine waste from settling ponds, piping, improved drainage, preparing to install bulkhead, provide hydraulic control and manage. Drains at about 300 gpm, removing precipitated solids from mine adit, preparing mine adit for bulkhead	Polrep #1 12/1/14 Removal Site Evaluation 3/30/13 Bulkhead Design Plan PP March 2015
Standard Mine – Crested Butte, CO	Active		Main tunnel collapses, 80-ft from opening, plans are to install a flow-through bulkhead. Water being	Final progress report 08/19/13

			diverted into treatment area blockage cleared in preparation of bulkhead, rehab adit.	
Terrible (Isle) Mine – Westcliffe, CO	5/30/2012		Mine site, waste rock and tailings, snow and runoff events, cause AMD to pour into Oak Creek	Final Polrep 2 6/16/14 AMA 7/23/12
Summitville Mine, Whitman Fork – Del Norte, CO	7/11/13		Heavy runoff could strip the riprap in the rundown structure channel and erode soil. Culvert headwall could be compromised. If headwall collapses, could threaten the integrity of the Summitville Dam Impoundment.	Final Polrep 7/31/13 AMA 12/4/13
Burleigh Tunnel – Silver Plume, CO	11/15/11		Storm events cause excessive AMD drainage from the Tunnel onto Main Street. Pipes were installed to assist in drainage and to contain and maintain drainage.	AM 11/3/2011 Polrep #1 8/17/12
Carribeau Mine – Ophir, CO	Assessment		Consists of a collapsed mine adit, waste-rock dump, remnants of a mill and tailings deposits. The adit flows into Howard Fork. Recent settlement with RP to fund removal action.	Assessment 9/1/10
Leadville Mine Drainage Tunnel – Leadville, CO	2/19/2008 8/30/14		Collapsed tunnel has caused water to back upas much as 1 billion gallons contaminated with metals. Drainage pipe was installed, bedded and backfilled.	Polrep #11
			OU6 Stray Horse Gulch retention ponds (Mikado Pond) high run-off threatened to overtop pond, debris removal, dewatering, excavater and skid to remove sediments-as much as 15 truck load of sediments removed.	Initial/Final Polrep #1
James Creek – Boulder, CO	107/2011		Private citizen clearing the adit of a purchased mine, dug too close releasing 15,000 to 30,000 gallons of a mixture of water, dirt, mine tailings and waste rock, traveled 200 ft and then emptied into James Creek	Initial/Final Polrep 10/7/2011
Central City/Clear Creek OU3 Virginia Canyon, Clear Creek County, CO		05/15/06	Two Brothers Mine and Virginia Canyon heavy precipitation events have resulted in acid mine drainage to Clear Creek and its tributaries. There are some 205 mine waste piles in the area with runoff/migration. According to a 2001 Reclamation Feasibility Report-Virginia Canyonthe acidity of	Initial/Final Polrep dated 5/15/06

		the mine waste and toxicity of the metals is high	
Captain Jack Mill	5/14/2007	enough to create health/environmental concerns. The Big 5 Area contains an adit, 2 dumps, a mill and	Final Polrep #3
NPL Site, Ward, CO		settling pond. AMD stream flows several gal/minute	5/14/2007
		from the adit tunnel. It appears in at least two areas	
		that the tunnel has collapsed and prior to mitigation of	
		the mine adit drainage via plugging of the seep and	
		other drainage openings, a reconnaissance of	
		tunnel/collapsed areas must be accomplished. It is	
		likely that a collapse will fail and a sudden	
		uncontrolled release of AMD will be released into	
D 1 0 1 1	2000	Left Hand Creek.	1 1
French Gulch,	2009	The abandoned Wellington Oro silver/zinc mine, with	Action Memorandum
Breckenridge, CO		more than 12 miles of tunnel, was active at the turn of	2002
		the last century. AMD from the mine used to seep to	
		French Creek where elevated zinc concentrations were	
		primarily responsible for the absence of fish in French	
		and Blue creeks. A water treatment plant to extract zinc and cadmium was built in 2008 near the	
		Wellington-Oro mine. Water discharges no longer pose a risk to the environment. USFS conducted	
		cleanups on 2 mine sites on their lands.	
Bonanza Mining, west	1994	ASARCO began conducting cleanup in 1994 which	
of Villa Grove, CO	1994	included the consolidation of mine wastes and in 1999	
or vina drove, co		the plugging of the Rawley 12 Adit.	
Idarado Natural	1992	As a result of a settlement 11 tailing piles were	
Resource Damage		cleaned, sediments cleared from the underground	
Site, Telluride, CO		mine, surface runoff around mine wastes were	
,,		diverted and internal mine waters diverted away from	
		highly mineralized regions.	
Remainder of Region 8			
Bullion Mine OU6 –	10/29/14	A relief well was installed to prevent a potential	AM 6/19/14
Jefferson County,		blowout of 2.5 M g of AMD. Water had accumulated	Progress Report
Montana		behind a debris plug, water treated, drainage system	11/4/14

		installed. (connected with below Crystal Mine)	
Crystal Mine OU5	9/15/14	1,000 yds ³ contaminated sediment removed, relief	AM 7/30/2014
Basin Mining Area		well installed near Bullion Mine Adit, treatment of 2.5	Progress Report
Basin, Montana		M g., water treated, drainage system installed	11/4/14
		(connected with above Bullion Mine)	
Basin Mining Area –	09/30/2007	The Buckeye/Enterprise Mines, located immediately	Final Polrep #4
near Basin MT		adjacent, have 25,000 cubic yards of metals and an	12/11/08
		ARD generating tailings pile/pond of 15,000 cubic	
		feet. Impacts to Basin and Cataract Creek are of	
		concern. The Morning Mine contains 2,400 cubic	
		yards of mine waste that contain heavy metals	
		exceeding threshold levels for water and aquatic standards	
		standards	
Other Regions			
R10 Jack Waite Mine	10/24/12	Pooling of water, highly contaminated, adits, rock	Polrep 7 10/30/12
-Coeur D Alene, ID		piles, tailing impoundments, discarded debris	AM 7/31/12
R10 Formosa Mine	3/27/2009	Upon mine closure, adits were capped with concrete	Polrep #1
Emergency Response,		and limestone and a drainage pipe and water dispersal	
Silver Butte, Oregon		field were installed. The drain fields failed in the 90s	
		but the adits were directed downslope where bedrock	
		has acid neutralization characteristics.	
Cleveland Mine and	5/8/2007	A silver-lead mine complex within the Hunters Creek	No documents on web
Mill Site, Hunters,		watershed. A removal action to mitigate the potential	site.
WA		for a reoccurrence of a sudden, substantial and	
		uncontrolled release of subsurface water from the	
		mine and to minimize the effects. Mine waste	
DO Anganaut Min -	Active	removal, earthen berm	Fact Sheet 8/10/15
R9 Argonaut Mine Tailings – Jackson,	Acuve	Site has 6 areas, ore storage, cyanide plant, earthen tailings dam, Grey Sands tailings, Lower earthen	SI 7/29/15
ranngs – Jackson, CA		surface water drainage area. The dam is structurally	01 //29/13
CA		unsafe, 400 yards from downtown Jackson, The	
		impoundment is filled with sediment and water	
		cascades over the top during storms. A report is due in	
		January 2016.	

R9 Sheldon Mine –	Jun 2013	Surface drainage systems that diverted waters are	AM 1/31/13
Walker, AZ		choked with sediment, high levels of lead and arsenic.	
		Orange colored liquid emanates from toe.	